

Filed: March 22, 2004

Inventor(s): Brad Hammond, et al. Atty Docket No.: 18133-224CON Express Mail Label No.: EV328186498US Sheet 1 of 24

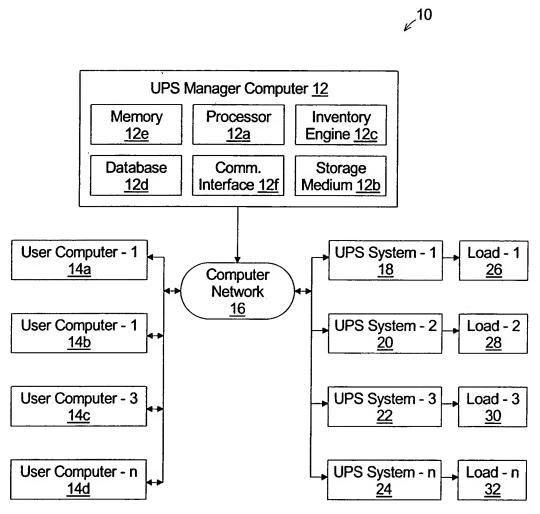


Figure 1a

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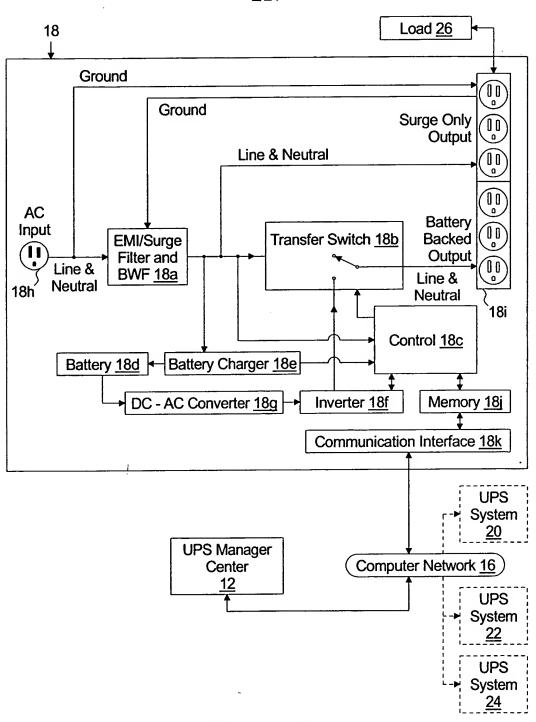


Figure 1b

Serial No.: 10/806,482

Title: SYSTEM AND METHOD FOR MANAGING UNINTERRUPTIBLE POWER SUPPLY SYSTEMS

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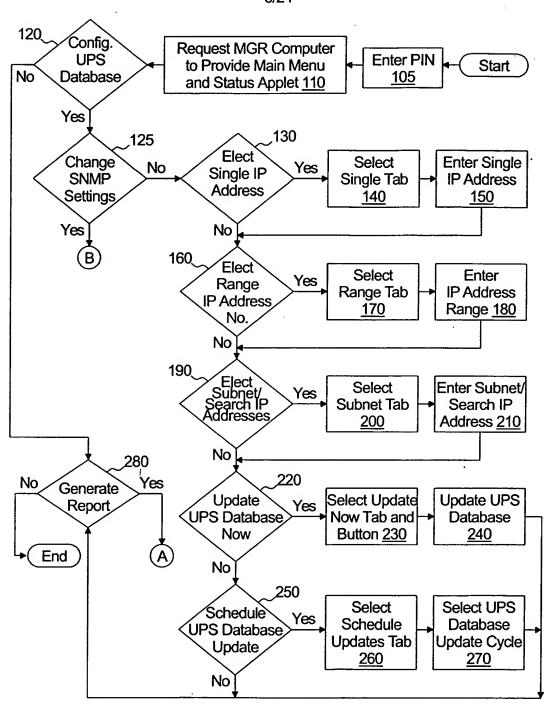


Figure 2a

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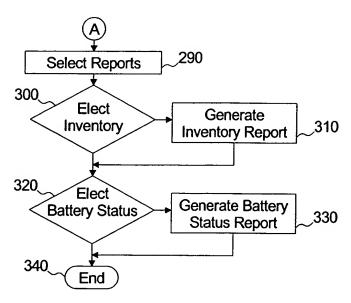


Figure 2b

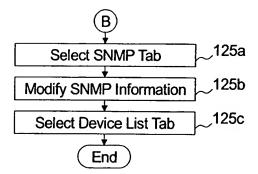


Figure 2c

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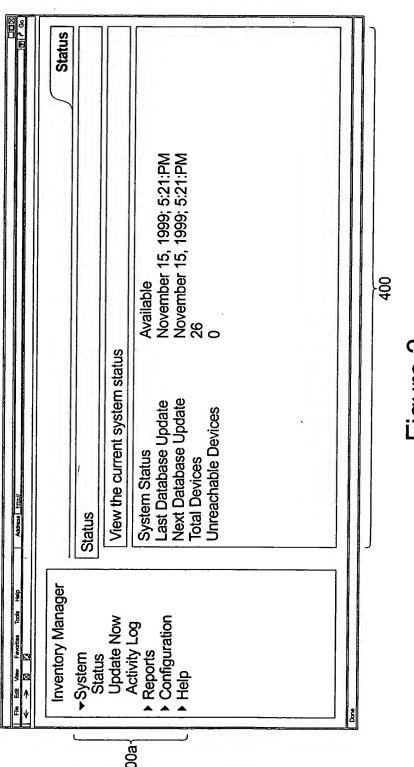


Figure 3

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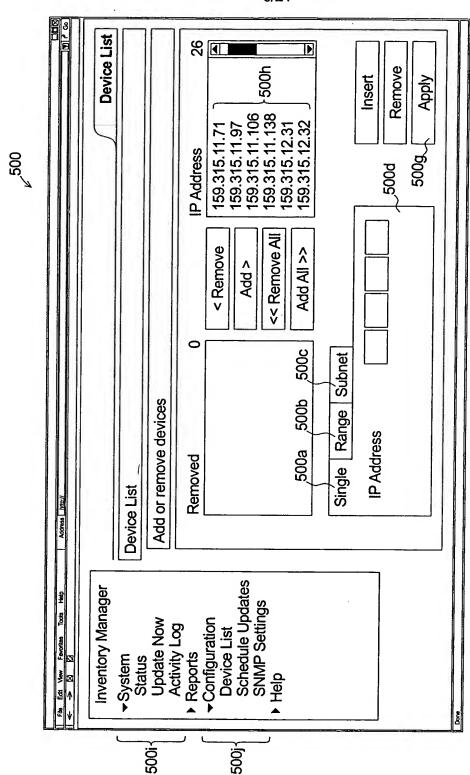
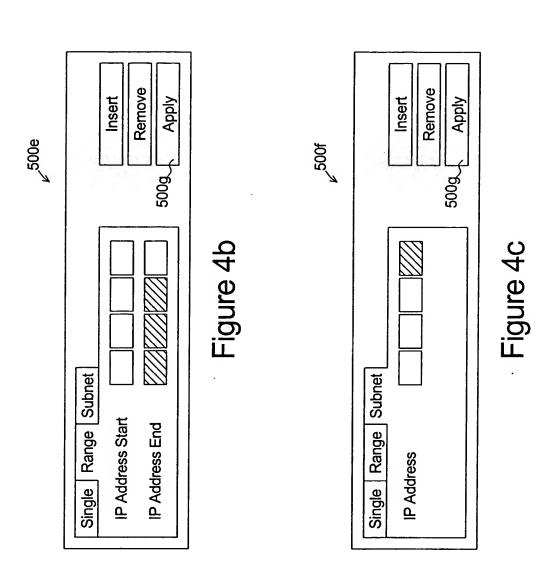


Figure 4a

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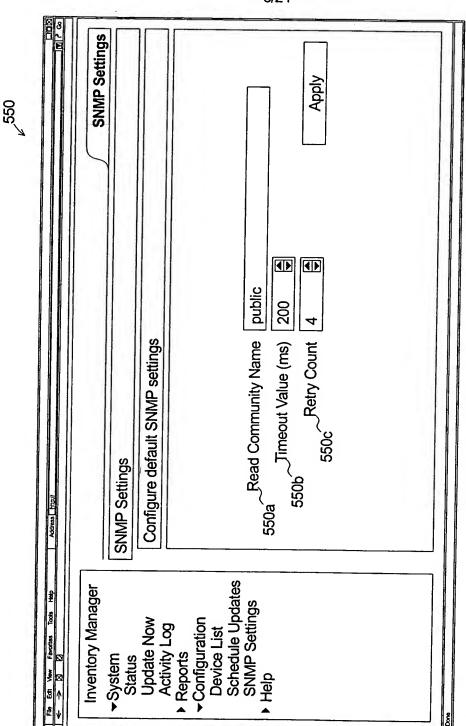


Figure 4d

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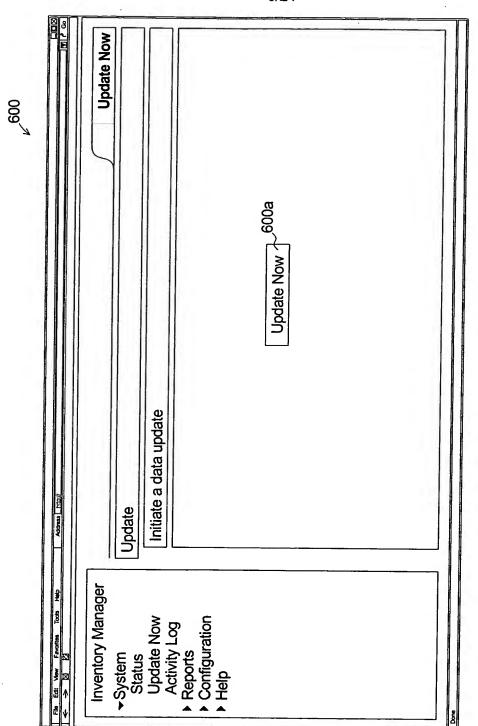


Figure 5

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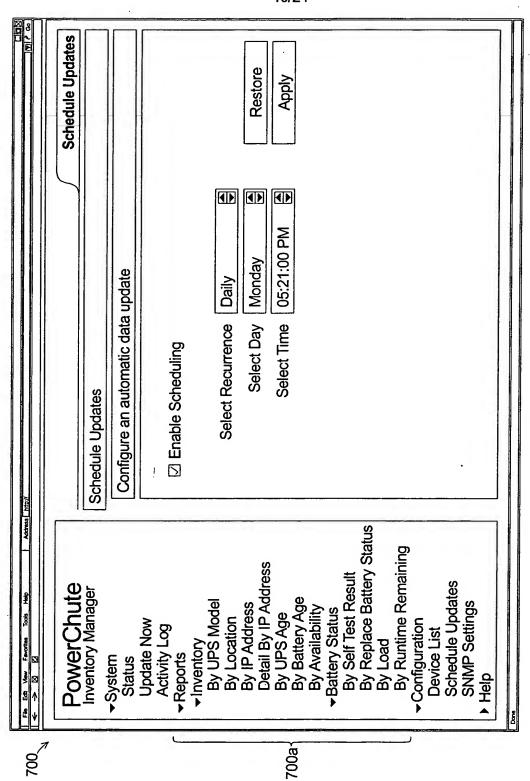


Figure 6

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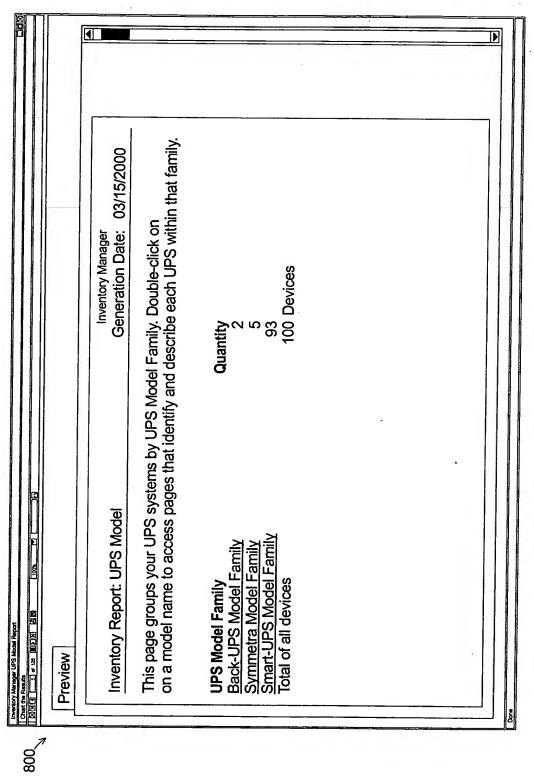


Figure 7

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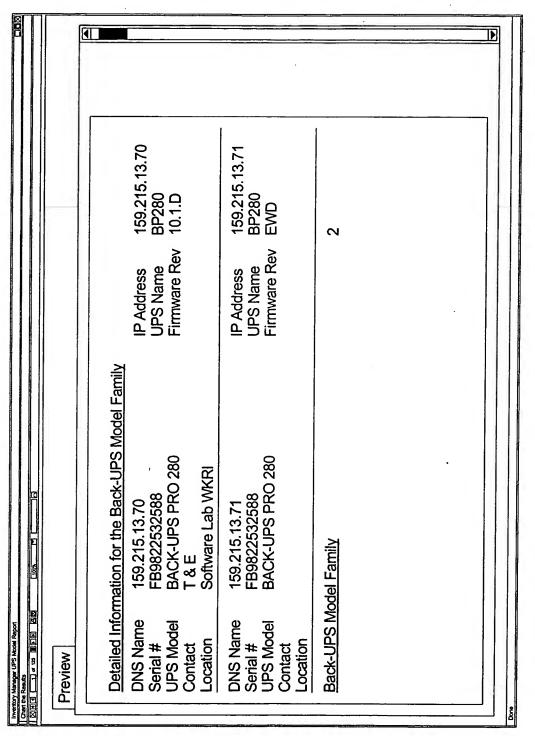


Figure 8

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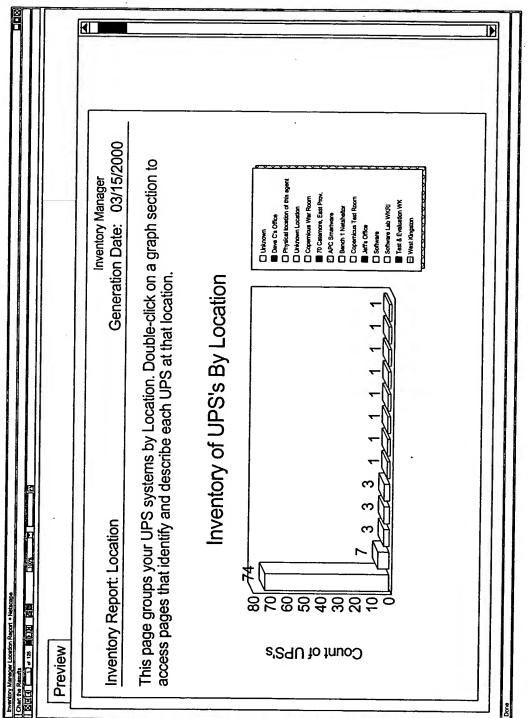


Figure 9

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Preview Dave	Dave C's Office		
Detailed Inform	nation for Location: Dave C's Office		
DNS Name	159.215.11.138	IP Address	159.215.11.138
Serial #	ws9640568671	UPS Name	Power
UPS Model	Smart-UPS 700	Firmware Rev	50.9.D
Contact	Dave C.		
DNS Name	159.215.11.211	IP Address	159.215.11.211
Serial #	10000801134441	UPS Name	UPS B
UPS Model	Smart-UPS 1400	Firmware Rev	70.9.D
Contact	Dave C.		
DNS Name	192.9.237.62	IP Address	192.9.237.62
Serial #	10000801134441	UPS Name	UPS B
JPS Model	Smart-UPS 1400	Firmware Rev	70.9.D
Contact	Dave C.		
DNS Name	192.9.237.63	IP Address	192.9.237.63
Serial #	10000801134441	UPS Name	UPS B
UPS Model	Smart-UPS 1400	Firmware Rev	70.9.D
Contact	Dave C.		
ONS Name	192.9.237.64	IP Address	192.9.237.64
Serial #	10000801134441	UPS Name	UPS B
JPS Model	Smart-UPS 1400	Firmware Rev	70.9.D

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Preview					
Inventory Repo	ort by IP Address				
P Address	DNS Name (if available)	UPS Model	UPS Name	UPS Serial #	UPS
159.215.1.0	Oyser.software.apcc.com0	SmartUPS 700	DATALOAD	123456	GWD
159.215.1.1	Orca0	BackUPSPro 450	DATALOAD	123456	GWD
159.215.1.2	Flesh0	SmartUPS 2200 RMXL	DATALOAD	123456	GWD
159.215.1.3	Mustang.software.apcc	Symmetra	DATALOAD	123456	GWD
159.215.1.4	Sparky0	SmartUPS 450	DATALOAD	123456	GWD
59.215.1.5	Barbarosa0	SmartUPS 700	DATALOAD	123456	GWD
_	Batman0	BackUPSPro 450	DATALOAD	123456	GWD
	Boots0	SmartUPS 2200 RMXL	DATALOAD	123456	GWD
59.215.1.8	Brewmaster0	Symmetra	DATALOAD	123456	GWD
59.215.1.9	Buzzard0	SmartUPS 450	DATALOAD	123456	GWD
59.215.1.10	Condor0	SmartUPS 700	DATALOAD	123456	GWD
59.215.1.11	Danglers0	BackUPSPro 450	DATALOAD	123456	GWD
159.215.1.12	Defiant0	SmartUPS 2200 RMXL	DATALOAD	123456	GWD
	Elvira0	Symmetra	DATALOAD	123456	GWD
59.215.1.14	Gink0	SmartUPS 450	DATALOAD	123456	GWD
59.215.1.15	Hamlet0	SmartUPS 700	DATALOAD	123456	GWD
59.215.1.16	Integrity0	BackUPSPro 450	DATALOAD	123456	GWD
59.215.1.17	Lafayett0	SmartUPS 2200 RMXL	DATALOAD	123456	SWD SWD

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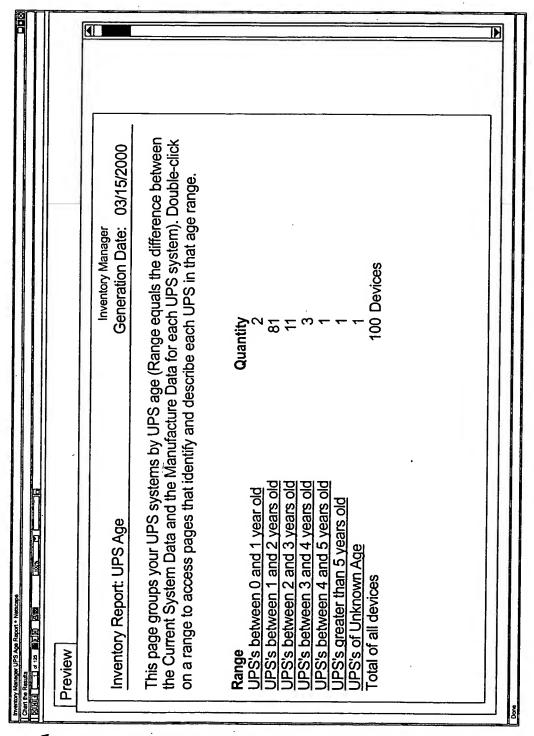


Figure 12

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Preview 2 to 3 Years	Years			
i i				
UPS's between	UPS's between 2 and 3 years old:			
UPS Model	SMART-UPS 1000	IP Address	159.215.11.243	
Firmware Rev	101000000100 - 60.9.D	ballery Last Replaced Date LIPS Manifacture Date	3/18/199/	
DNS Name	159.215.11.243		1010	
Contact	Todd Giaquinto			
Location	Software			
UPS Model	SMART-UPS 1400	IP Address	159.215.11.211	
Serial #	10000801134441	Battery Last Replaced Date	1/13/1998	
Firmware Rev	70.9.D	UPS Manufacture Date	1/13/1998	
DNS Name	159.215.11.211			
Contact	Dave C.			
Location	Dave C's Office			
UPS Model	SMART-UPS 1400	IP Address	192 9 237 62	
Serial #	10000801134441	Battery Last Replaced Date		
Firmware Rev	70.9.D	UPS Manufacture Date	1/13/1998	
DNS Name	192.9.237.62			
Contact	Dave C.			
Location	Dave C's Office			
UPS Model	SMART-UPS 1400	IP Address	192,9.237.63	
Serial #	10000801134441	Battery Last Replaced Date		

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Preview			
Inventory Rep	Inventory Report: Unavailable Devices	Inventory Manager Generation Date:	ger ite: 03/15/2000
This report ider update. The informal during the last	This report identifies and describes the UPS systems that did not respond to the last data update. The information provided about the UPS systems was stored in the database during the last update to which each UPS did respond.	tems that did not respo systems was stored in spond.	nd to the last data the database
Total number	of devices not responding	3 Devices	
DNS Name Serial # UPS Model Last Update Contact Location	159.215.13.70 FB9822532588 BACK-UPS PRO 280 03/07/2000 12:57:09 PM T & E Software Lab WKRI	IP Address UPS Name Firmware Rev	159.215.13.70 BP280 10.1.D
DNS Name Serial # UPS Model Last Update Contact Location	159.215.11.134 20033435 Smart-UPS 400 03/07/2000 4:07:20 PM	IP Address UPS Name Firmware Rev	159.215.11.134 UPS_IDEN 4QD_
DNS Name Serial #	159.215.13.75 ED9833002438	IP Address UPS Name	159.215.13.75 TEST

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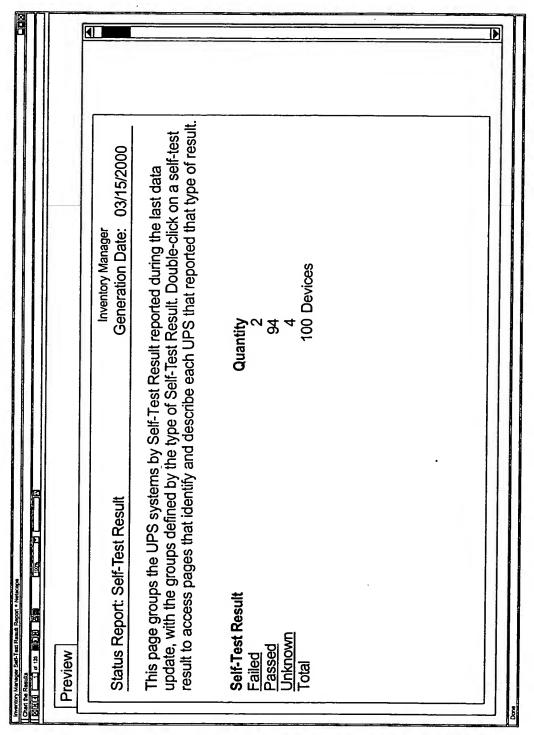


Figure 15

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	3[] A VXII			
Preview Failed				
Detailed Inform	Detailed Information where self-test result is Failed	is Failed		
Self-Test Date UPS Model	3/9/2000 BACK-UPS PRO 280	IP Address Battery Last Replaced Date	159.215.13.71 3/3/2000	
Serial # Battery Status DNS Name Contact Location		UPS Manufacture Date Firmware Rev	05/26/1998 EWD	
Self-Test Date UPS Model Serial # Battery Status DNS Name Contact Location	3/1/2000 SMART-UPS 700 S96058769965 Battery Good 159.215.13.73 katie hargraves x2891 Test & Evaluation WK	IP Address Battery Last Replaced Date UPS Manufacture Date Firmware Rev	159.215.13.73 5/12/1996 05/30/1996 50.9.D	
Failed	·	2		

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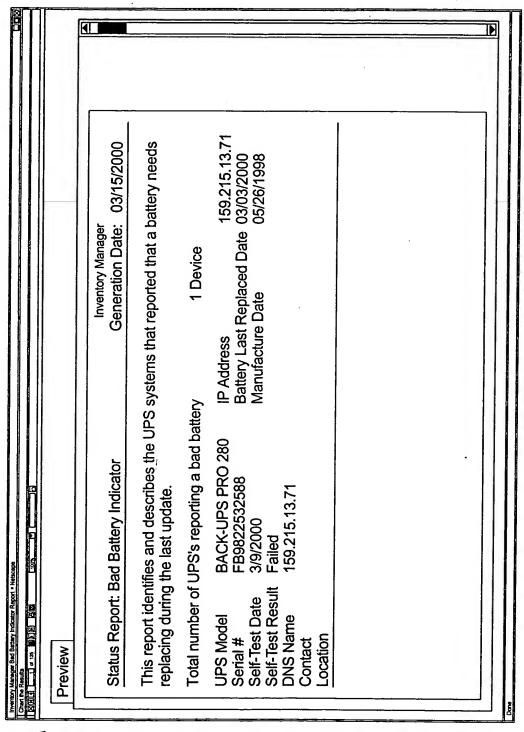


Figure 17

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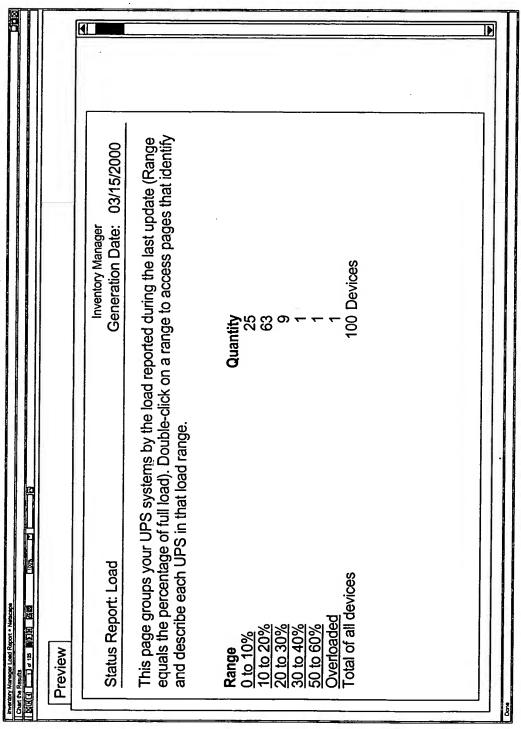


Figure 18

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10 to 20 It 10 to 20 ame The Rev Th	년] <u>4</u> 500)			
to 20% load 11.00% NS9851165147 SMART-UPS 700 UPS Name SWART-UPS 700 159.215.12.33 Unknown Unknown 12.00% XS9851013429 SWART-UPS 1400 RM 12.00% Unknown	19			
11.00% NS9851165147 NS9851165147 NS9851165147 SWART-UPS 700 UPS Name 159.215.12.33 Unknown Unknown 12.00% XS9851013429 SWART-UPS 1400 RM 192.9.237.3 Unknown	% load			
NS9851165147 NS9851165147 NS9851165147 NS985101342 Unknown	1.00%	Runtime	95 minutes	
SMART-UPS 700 SMART-UPS 700 UPS Name 159.215.12.33 Unknown 12.00% V2.11.D 192.9.237.3 Unknown Unknown 12.00% XS9851013429 Unknown Unknown Unknown 12.00% XS9851013429 SMART-UPS 1400 RM 12.00% YZ.11.D 192.9.237.4	S9851165147	IP Address	159.215.12.33	
159.215.12.33 Unknown Unknown 12.00% XS9851013429 SMART-UPS 1400 RM 192.9.237.3 Unknown Unknown Unknown 12.00% XS9851013429 SMART-UPS 1400 RM Unknown Unknown 12.00% SMART-UPS 1400 RM UPS Name No. 72.11.D 192.9.237.4	MART-UPS 700	UPS Name	UPS_IDEN	
Unknown Unknown 12.00% XS9851013429 SMART-UPS 1400 RM 192.9.237.3 Unknown Unknown 12.00% XS9851013429 SMART-UPS 1400 RM 12.00% XS9851013429 SMART-UPS 1400 RM 192.9.237.4	7VV 50 245 42 22			
Unknown 12.00% XS9851013429 SMART-UPS 1400 RM 192.9.237.3 Unknown Unknown 12.00% XS9851013429 SMART-UPS 1400 RM 12.00% IP Address SMART-UPS 1400 RM 192.9.237.4	09.2 10. 12.00 pkpown			
12.00% XS9851013429 IP Address SMART-UPS 1400 RM 192.9.237.3 Unknown Unknown 12.00% XS9851013429 SMART-UPS 1400 RM 192.9.237.4 IP Address IP Address SMART-UPS 1400 RM 192.9.237.4	nknown			
XS9851013429 IP Address SMART-UPS 1400 RM UPS Name 192.9.237.3 Unknown Unknown Unknown 12.00% Runtime XS9851013429 IP Address SMART-UPS 1400 RM UPS Name 192.9.237.4	2.00%	Runtime	89 minutes	
SMART-UPS 1400 RM UPS Name 192.9.237.3 Unknown UPS 1400 RM UPS Name 192.9.237.4	S9851013429	IP Address	192.9.237.3	
192.9.237.3 Unknown Unknown 12.00% XS9851013429 SMART-UPS 1400 RM 192.9.237.4	MART-UPS 1400 RM	UPS Name	UPS_IDEN	
192.9.237.3 Unknown Unknown 12.00% XS9851013429 SMART-UPS 1400 RM 192.9.237.4	2.11.D			
Unknown Unknown 12.00% XS9851013429 SMART-UPS 1400 RM 192.9.237.4	92.9.237.3			
Unknown 12.00% XS9851013429 SMART-UPS 1400 RM 192.9.237.4	nknown			
12.00% XS9851013429 SMART-UPS 1400 RM 192.9.237.4	nknown			
XS9851013429 IP Address SMART-UPS 1400 RM UPS Name 192.9.237.4	2.00%	Runtime	89 minutes	
SMART-UPS 1400 RM UPS Name by 72.11.D 192.9.237.4	S9851013429	IP Address	192.9.237.4	
ev 72.11.D 192.9.237.4	MART-UPS 1400 RM	UPS Name	UPS_IDEN	
	2.11.D			
	92.9.237.4			
Contact Unknown	Jnknown			
			2000	I

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Preview			
Status Report:	: Runtime Remaining	Inventory Manager Generation Date:	e: 03/15/2000
This report ider remaining whe compensate fo should indicate	This report identifies how much battery runtime (Runtime) each UPS reported it had remaining when the last update occurred. If a UPS had not been on battery recently (to compensate for a power problem or as part of a runtime calibration), the runtime reported should indicate the maximum runtime available to that UPS during normal operation.	Runtime) each UPS rep S had not been on bat untime calibration), the that UPS during nom	oorted it had tery recently (to runtime reported al operation.
Runtime Serial # UPS Model Firmware Rev DNS Name Contact Location	30 minutes ED983169013934 Symmetra RM 280.112.1 159.215.7.107 Scott Giglio x6408 70 Catamore, East Prov.	% Load IP Address UPS Name	54.00 % 159.215.7.107 SimUPS
Runtime Serial # UPS Model Firmware Rev DNS Name Contact	32 minutes S96058769965 SMART-UPS 700 50.9.D 159.215.13.73 katie hargraves x2891 Test & Evaluation WK	% Load IP Address UPS Name	30.00 % 159.215.13.73 Smart